

**CLAIMS:**

1. An apparatus (20), comprising:  
processing means (21-32) for receiving broadcast signals and processing said received signals to generate analog signals without demodulating the received signals;  
control means (34) for enabling generation of said analog signals responsive to a request signal; and  
wherein said analog signals are provided to a client device (40) via a transmission medium connecting said apparatus (20) and said client device (40).
2. The apparatus (20) of claim 1, wherein said transmission medium includes RG-59 cable.
3. The apparatus (20) of claim 1, wherein said processing means (21-32) includes:  
frequency converting means (21-28) for converting said received signals from a first frequency band to a second frequency band to generate frequency converted signals; and  
filtering means (29-32) for filtering said frequency converted signals to generate said analog signals.
4. The apparatus (20) of claim 3, wherein:  
said first frequency band is greater than 1 GHz; and  
said second frequency band is less than 1 GHz.
5. The apparatus (20) of claim 1, wherein:

said control means (34) detects an available frequency band on said transmission medium; and

    said available frequency band is used to provide said analog signals to said client device (40).

6.     The apparatus (20) of claim 5, wherein said control means (34) scans a plurality of frequency bands on said transmission medium to detect said available frequency band.

7.     The apparatus (20) of claim 5, wherein said control means (34) detects said available frequency band based on a user input which selects said available frequency band.

8.     The apparatus (20) of claim 1, wherein said request signal is provided to said apparatus (20) via said transmission medium.

9.     A method (500) for distributing signals from a gateway apparatus to a device, comprising steps of:

    receiving broadcast signals (510);

    receiving a request signal from said device indicating a channel (520);

    processing said received signals to generate analog signals corresponding to said channel responsive to said request signal (540), without demodulating said received signals; and

    providing said analog signals to said device via a transmission medium connecting said gateway apparatus and said device (550).

10.    The method (500) of claim 9, wherein said transmission medium includes RG-59 cable.

11. The method (500) of claim 9, wherein said processing step (540) includes:

converting said received signals from a first frequency band to a second frequency band to generate frequency converted signals; and  
filtering said frequency converted signals to generate said analog signals.

12. The method (500) of claim 11, wherein:

said first frequency band is greater than 1 GHz; and  
said second frequency band is less than 1 GHz.

13. The method (500) of claim 9, further comprising a step of:  
detecting an available frequency band on said transmission medium (530);  
and

wherein said available frequency band is used to provide said analog signals to said device.

14. The method (500) of claim 13, wherein said detecting step (530) includes scanning a plurality of frequency bands on said transmission medium to identify said available frequency band.

15. The method (500) of claim 13, wherein said detecting step (530) is performed based on a user input which selects said available frequency band.

16. The method (500) of claim 9, wherein said request signal is provided to said gateway apparatus via said transmission medium.

17. An apparatus (20), comprising:

signal processing elements (21-32) operative to receive broadcast signals and process said received signals to generate analog signals without demodulating said received signals;

a controller (34) operative to enable generation of said analog signals responsive to a request signal; and

wherein said analog signals are provided to a client device (40) via a transmission medium connecting said apparatus (20) and said client device (40).

18. The apparatus (20) of claim 17, wherein said transmission medium includes RG-59 cable.

19. The apparatus (20) of claim 17, wherein said signal processing elements (21-32) include:

frequency converters (21-28) operative to convert said received signals from a first frequency band to a second frequency band to generate frequency converted signals; and

filtering means (29-32) for filtering said frequency converted signals to generate said analog signals.

20. The apparatus (20) of claim 19, wherein:

said first frequency band is greater than 1 GHz; and

said second frequency band is less than 1 GHz.

21. The apparatus (20) of claim 17, wherein:

said controller (34) is further operative to detect an available frequency band on said transmission medium; and

said available frequency band is used to provide said analog signals to said client device (40).

22. The apparatus (20) of claim 21, wherein said controller (34) scans a plurality of frequency bands on said transmission medium to detect said available frequency band.

23. The apparatus (20) of claim 21, wherein said control means (34) detects said available frequency band based on a user input which selects said available frequency band.

24. The apparatus (20) of claim 17, wherein said request signal is provided to said apparatus (20) via said transmission medium.